

U.S. Geological Survey

U.S. Department of the Interior

Prepared in cooperation with DeKalb County, Georgia

Scientific Investigations Map 3347 Sheet 4 of 13

Pamphlet accompanies map

84°17'30" W 84°17'00" W 84°16'30" W 84°16'00" W 84°14'30" W 84°14'00" W 84°18'00" W 84°15'30" W 84°15'00" W 33°49'30" N **EXPLANATION** Flood-inundation area Model boundary 33°49'00" N 02336152 U.S. Geological Survey (USGS) streamgage and National Weather Service (NWS) forecast site and identifiers Direction of surface-water flow NAVD 88 North American Vertical Datum of 1988 asa Drive, near Clarkston, Ga. (Station ID 02336152), steady-state hydraulic modeling (assuming unobstructed flow), and a digital elevation model. e hydraulic model reflects the land-cover characteristics and any bridge, dam, levee, or other hydraulic structures existing in June 2015. Unique rological factors (timing and distribution of storm) could cause actual streamflows along the modeled reach to vary from those assumed during a od, which may lead to deviations from the water-surface elevations and inundation boundaries shown here. Additional areas may be flooded due to inticipated backwater from major tributaries along the main stem or from localized debris- or ice-jams. Inundated areas shown should not be used for avigation, regulatory, permitting, or other legal purposes. Although the USGS intends to make this server available 24 hours a day, 7 days a week, timely delivery of data and products from this server through the Internet is not guaranteed. The USGS provides these maps "as-is" for a quick reference, nergency planning tool, but assumes no legal liability or responsibility resulting from the use of this information. f this series of flood-inundation maps will be used in conjunction with National Weather Service (NWS) river forecasts, the user should be aware of ditional uncertainties that may be inherent or factored into NWS forecast procedures. The NWS uses river forecast models to estimate the quantity an ming of water flowing through selected river reaches in the United States. These forecast models (1) estimate the amount of runoff generated by a ecipitation event, (2) compute how the water will move downstream, and (3) predict the flow and stage (water-surface elevation) for the river at a given cation (Advanced Hydrologic Prediction Service [AHPS] forecast point) throughout the forecast period (every 6 hours and 3 to 5 days out in many

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pcpn_and_river_forecasting.pdf

State Plane Coordinate System Georgia West, FIPS 1002

Orthography from Atlanta Regional Commission, 2015

North American Datum of 1983 (NAD 83)

10-p. pamphlet, http://dx.doi.org/10.3133/sim3347.

Flood-Inundation Map of South Fork Peachtree Creek in DeKalb County, Georgia, Flood Corresponding to a Stage of 7.5 Feet and an Elevation of 939.7 Feet (NAVD 88) at the U.S. Geological Survey Streamgage Number 02336152 near Clarkston, Georgia

NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 88)

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Director U.S. Geological Survey

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